

AMENDMENT TO THE SPECIFICATION

IN THE SPECIFICATION:

Please **replace the paragraph** on page 3, last complete paragraph, **with the following amended paragraph**:

The term "part channels" also includes division of the fluid stream into part streams by built-in microstructure parts just before the outflow of said feed stream into the mixing zone. The dimensions, particularly the lengths and widths of these built-in parts, can be in the range of millimeters or preferably smaller than 1 mm. The part channels are preferably shortened to the length that is absolutely needed for flow control and, hence, for a certain throughput they require comparatively low pressures. The length-to-width ratio of the part channels is preferably in the range from 1:1 to 20:1, particularly from 8:1 to 12:1, and most preferably about 10:1. The built-in microstructure parts are preferably configured in such a way that the flow rate velocity of the fluid stream at the outlet into the mixing zone is greater than at the inlet into the linking channel and preferably also greater than the flow rate velocity of the mixture through the mixing zone.

Please **replace the paragraph** on page 6, third complete paragraph, **with the following amended paragraph**:

In the extraction process of the invention, the flow rate velocity of the fluid stream or fluid streams into the mixing zone is preferably greater than the flow rate velocity of the mixture within the mixing zone. Particularly preferred are configurations of the micromixer and flow rates velocities that cause turbulence in the mixing zone so that the mixing in the mixing zone takes place entirely or at least in part by turbulence.